

STN Search Summary  
09/991448

=> d his

FILE 'CAPLUS' ENTERED AT 11:04:45 ON 09 OCT 2003

L1 9 S OLEP  
L2 12758 S MONOOXYGENASE  
L3 4 S L2 AND L1 AND POLYKETIDE  
L4 61 S (L2 OR L1) AND POLYKETIDE  
L5 46 S L4 AND (POLYKETIDE SYNTHASE)  
L6 43 S L5 NOT L1

=> d ll 1-9

L1 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2003 ACS on STN  
AN 2002:371787 CAPLUS  
TI Parallel pathways for oxidation of 14-membered polyketide macrolactones in  
Saccharopolyspora erythraea  
AU Gaisser, Sabine; Lill, Rachel; Staunton, James; Mendez, Carmen; Salas,  
Jose; Leadlay, Peter F.  
CS Biotica Technology Limited, Cambridge, UK  
SO Molecular Microbiology (2002), 44(3), 771-781

L1 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2003 ACS on STN  
AN 2000:373086 CAPLUS  
TI Cloning, characterization and heterologous expression of a polyketide  
synthase and P-450 oxidase involved in the biosynthesis of the antibiotic  
oleandomycin  
AU Shah, Sanjay; Xue, Qun; Tang, Li; Carney, John R.; Betlach, Mary;  
McDaniel, Robert  
SO Journal of Antibiotics (2000), 53(5), 502-508

L1 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2003 ACS on STN  
AN 1998:765254 CAPLUS  
TI Analysis of a Streptomyces antibioticus chromosomal region involved in  
oleandomycin biosynthesis, which encodes two glycosyltransferases  
responsible for glycosylation of the macrolactone ring  
AU Olano, C.; Rodriguez, A. M.; Michel, J. M.; Mendez, C.; Raynal, M. C.;  
Salas, J. A.  
SO Molecular & General Genetics (1998), 259(3), 299-308

L1 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2003 ACS on STN  
AN 1995:448846 CAPLUS  
TI A cytochrome P450-like gene possibly involved in oleandomycin biosynthesis  
by Streptomyces antibioticus  
AU Rodriguez, Ana Maria; Olano, Carlos; Mendez, Carmen; Hutchinson, C.  
Richard; Salas, Jose A.  
SO FEMS Microbiology Letters (1995), 127(1-2), 117-20

L6 ANSWER 1 OF 43 CAPLUS COPYRIGHT 2003 ACS on STN  
AN 2003:697017 CAPLUS  
TI An oxygen-limited cultivation method for producing polyketides  
by myxobacteria with polyketide congener distribution modulation  
SO PCT Int. Appl., 36 pp.

L6 ANSWER 2 OF 43 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2003:656325 CAPLUS  
 TI The *Streptomyces globisporus* gene cluster for biosynthesis of the enediyne  
 antitumor antibiotic C-1027 and the generation of novel variants  
 SO U.S. Pat. Appl. Publ., 119 pp., Cont.-in-part of U.S. Ser. No. 159,257.

L6 ANSWER 13 OF 43 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2001:929603 CAPLUS  
 TI Heterologous expression of the naphthocyclinone hydroxylase gene from  
*Streptomyces arenae* for production of novel hybrid polyketides  
 SO Antonie van Leeuwenhoek (2001), 79(3-4), 235-245

L6 ANSWER 14 OF 43 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2001:864570 CAPLUS  
 TI Characterization of Four Clustered and Coregulated Genes Associated with  
 Fumonisin Biosynthesis in *Fusarium verticillioides*  
 SO Fungal Genetics and Biology (2001), 34(3), 155-165

L6 ANSWER 16 OF 43 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2001:764047 CAPLUS  
 TI Genome sequence of an industrial microorganism *Streptomyces avermitilis*:  
 deducing the ability of producing secondary metabolites  
 SO Proceedings of the National Academy of Sciences of the United States of  
 America (2001), 98(21), 12215-12220

L6 ANSWER 17 OF 43 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2001:761732 CAPLUS  
 DN 137:104419  
 TI Organization of biosynthetic gene cluster for avermectin in *Streptomyces*  
*avermitilis*: analysis of enzymatic domains in four polyketide  
 synthases  
 SO Journal of Industrial Microbiology & Biotechnology (2001), 27(3), 170-176

L6 ANSWER 18 OF 43 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2001:634532 CAPLUS  
 TI Nucleotide sequence and predicted functions of the entire *Sinorhizobium*  
*meliloti* pSymA megaplasmid  
 SO Proceedings of the National Academy of Sciences of the United States of  
 America (2001), 98(17), 9883-9888

L6 ANSWER 19 OF 43 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2001:505089 CAPLUS  
 TI Engineered biosynthesis of novel polyenes: a pimarin derivative produced  
 by targeted gene disruption in *Streptomyces natalensis*  
 SO Chemistry & Biology (2001), 8(7), 635-644

L6 ANSWER 20 OF 43 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2001:158443 CAPLUS  
 TI Studies on the biosynthesis of epothilones: the PKS and epothilone C/D  
 monooxygenase  
 SO Journal of Antibiotics (2001), 54(2), 144-148

L6 ANSWER 21 OF 43 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2001:51336 CAPLUS  
 TI Cloning, sequencing and analysis of the enterocin biosynthesis gene  
 cluster from the marine isolate "Streptomyces maritimus": evidence for the  
 derailment of an aromatic polyketide synthase  
 SO Chemistry & Biology (2000), 7(12), 943-955

L6 ANSWER 22 OF 43 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2000:900821 CAPLUS  
 TI Genes encoding enzymes in the biosynthesis of pimarinin in Streptomyces  
 natalensis and the application for new biosynthetic molecules  
 SO PCT Int. Appl., 115 pp.

L6 ANSWER 23 OF 43 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2000:536440 CAPLUS  
 TI Biosynthesis of the polyene antifungal antibiotic nystatin in Streptomyces  
 noursei ATCC 11455: analysis of the gene cluster and deduction of the  
 biosynthetic pathway. [Erratum to document cited in CA133:318082]  
 SO Chemistry & Biology (2000), 7(7), R176

L6 ANSWER 24 OF 43 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2000:475677 CAPLUS  
 DN 133:101923  
 TI The Streptomyces globisporus gene cluster encoding enzymes of biosynthesis  
 of the enediyne antitumor antibiotic C-1027  
 SO PCT Int. Appl., 160 pp.  
 CODEN: PIXXD2

L6 ANSWER 25 OF 43 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2000:446716 CAPLUS  
 TI Genetic localization and molecular characterization of the nonS gene  
 required for macrotetrolide biosynthesis in Streptomyces griseus DSM40695  
 SO Antimicrobial Agents and Chemotherapy (2000), 44(7), 1809-1817

L6 ANSWER 26 OF 43 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2000:439427 CAPLUS  
 TI Biosynthesis of the polyene antifungal antibiotic nystatin in Streptomyces  
 noursei ATCC 11455: analysis of the gene cluster and deduction of the  
 biosynthetic pathway  
 SO Chemistry & Biology (2000), 7(6), 395-403

L6 ANSWER 27 OF 43 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2000:409167 CAPLUS  
 TI The FK520 gene cluster of Streptomyces hygroscopicus var. ascomyceticus  
 (ATCC 14891) contains genes for biosynthesis of unusual polyketide  
 extender units  
 SO Gene (2000), 251(1), 81-90

L6 ANSWER 29 OF 43 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2000:238448 CAPLUS  
 TI A DNA sequence encoding the genes of epothilone biosynthesis of Sorangium  
 cellulosum  
 SO Ger. Offen., 36 pp.

L6 ANSWER 30 OF 43 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2000:9540 CAPLUS  
 TI New lessons for combinatorial biosynthesis from myxobacteria. The  
 myxothiazol biosynthetic gene cluster of *Stigmatella aurantiaca* DW4/3-1  
 SO *Journal of Biological Chemistry* (1999), 274(52), 37391-37399

L6 ANSWER 31 OF 43 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 1999:764178 CAPLUS  
 TI Sequence and recombinant narbonolide polyketide synthase  
 applications from *Streptomyces venezuelae* for creation of useful  
 antibiotics  
 SO PCT Int. Appl., 98 pp.  
 CODEN: PIXXD2

L6 ANSWER 32 OF 43 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 1999:548510 CAPLUS  
 TI Organization of the biosynthetic gene cluster for the polyketide  
 anthelmintic macrolide avermectin in *Streptomyces avermitilis*  
 SO *Proceedings of the National Academy of Sciences of the United States of*  
*America* (1999), 96(17), 9509-9514

L6 ANSWER 33 OF 43 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 1998:801707 CAPLUS  
 TI The granaticin biosynthetic gene cluster of *Streptomyces violaceoruber*  
 Tu22: sequence analysis and expression in a heterologous host  
 SO *Chemistry & Biology* (1998), 5(11), 647-659

L6 ANSWER 34 OF 43 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 1998:624768 CAPLUS  
 TI Characterization of the macrolide P-450 hydroxylase from *Streptomyces*  
*venezuelae* which converts narbomycin to picromycin  
 SO *Biochemistry* (1998), 37(42), 14937-14942

L6 ANSWER 35 OF 43 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 1997:510207 CAPLUS  
 TI Effect of the Daunorubicin dpsH Gene on the Choice of Starter Unit and  
 Cyclization Pattern Reveals That Type II Polyketide  
 Synthases Can Be Unfaithful yet Intriguing  
 SO *Journal of the American Chemical Society* (1997), 119(31), 7392-7393

L6 ANSWER 37 OF 43 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 1996:142742 CAPLUS  
 TI Organization of the biosynthetic gene cluster for rapamycin in  
*Streptomyces hygroscopicus*: analysis of genes flanking the  
 polyketide synthase  
 SO *Gene* (1996), 169(1), 1-7

L6 ANSWER 38 OF 43 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 1996:123412 CAPLUS  
 TI Twenty-five coregulated transcripts define a sterigmatocystin gene cluster  
 in *Aspergillus nidulans*  
 SO *Proceedings of the National Academy of Sciences of the United States of*  
*America* (1996), 93(4), 1418-22

L6 ANSWER 39 OF 43 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 1995:745902 CAPLUS  
 TI Sterigmatocystin biosynthesis in *Aspergillus nidulans* requires a novel  
 type I polyketide synthase  
 SO *Journal of Bacteriology* (1995), 177(16), 4792-800

L6 ANSWER 40 OF 43 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 1995:597380 CAPLUS  
 TI Comparative mapping of aflatoxin pathway gene clusters in *Aspergillus*  
*parasiticus* and *Aspergillus flavus*  
 SO *Applied and Environmental Microbiology* (1995), 61(6), 2365-71

L6 ANSWER 42 OF 43 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 1994:211250 CAPLUS  
 TI Enzymic synthesis of a bacterial polyketide from acetyl and  
 malonyl coenzyme A  
 SO *Science* (Washington, DC, United States) (1993), 262(5139), 1535-40

L6 ANSWER 43 OF 43 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 1994:128414 CAPLUS  
 TI The tcmVI region of the tetracenomycin C biosynthetic gene cluster of  
*Streptomyces glaucescens* encodes the tetracenomycin F1  
 monooxygenase, tetracenomycin F2 cyclase, and, most likely, a  
 second cyclase  
 SO *Journal of Bacteriology* (1993), 175(23), 7571-80